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PATENT

42390.P7327

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re CPA Application of:

Boon-Lock Yeo

Application No.: 09/336,530

Filed: June 18, 1999

For: SYSTEMS AND METHODS FOR FAST  
RANDOM ACCESS AND BACKWARD  
PLAYBACK OF VIDEO FRAMES USING  
DECODED FRAME CACHE

Examiner: Christopher Onuaku

Art Unit: 2615

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Technology Center 2600

RESPONSE

Sir:

This is in response to the Office action dated January 3, 2002. Reconsideration of the application is requested.

ENTIRE SET OF PENDING CLAIMS (Clean version)

1. (Amended) A method of processing a video stream, comprising:
- (a) detecting a request to playback a particular frame; and
  - (b) determining whether a decoded version of the particular frame is in a decoded frame cache, and if it is not and if the particular frame has a frame dependency:
    - (i) determining a frame dependency for the particular frame;
    - (ii) determining which of the frames in the frame dependency are in the decoded frame cache;
    - (iii) decoding any frame in the frame dependency that is not in the decoded frame